



10/537472

2100 Pennsylvania Avenue, NW  
Washington, DC 20037-3213T 202.293.7060  
F 202.293.7860

www.sughrue.com

June 3, 2005

**MAIL STOP PCT**Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450PCT/JP2003/015665  
-filed December 8, 2003

Re: Application of Seiichi OZAWA and Junichi OKAMURA  
PHASE-SELECTIVE TYPE FREQUENCY MODULATOR AND PHASE-  
SELECTIVE TYPE FREQUENCY SYNTHESIZER  
**Assignee: THINE ELECTRONICS, INC.**  
Our Ref: Q88132

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- ☒ a copy of the executed Declaration and Power of Attorney.
- ☒ an English translation of the International Application.
- ☒ twenty two (22) sheets of drawings (Figs. 1-22C).
- ☒ a copy of the executed Assignment and PTO 1595 form.
- ☒ an Information Disclosure Statement and a copy of the ISR.
- ☒ a PTO/SB/08 A & B (modified) listing the ISR references.
- ☒ **it is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f)**

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.



**Sughrue**

SUGHRUE MION, PLLC

Commissioner for Patents  
Attorney Docket No. Q88132  
Page 2

10/537472  
JC17 Rec'd PCT/PTO 03 JUN 2005

Applicant claims benefit of small entity status in accordance with 37 CFR § 1.27.

The Government filing fee is calculated as follows (**Small Entity fees apply**):

Total claims	<u>6</u>	-	20	=		x	\$25.00	=	<u>\$0.00</u>
Independent claims	<u>3</u>	-	3	=		x	\$100.0	=	<u>\$0.00</u>
							0		
Base Fee									<u>\$150.00</u>
Search Fee*									<u>\$200.00</u>
Examination Fee*									<u>\$100.00</u>
<b>TOTAL FILING FEE</b>									<u>\$450.00</u>
<b>Recordation of Assignment</b>									<u>\$ 40.00</u>
<b><u>TOTAL FEE</u></b>									<u>\$490.00</u>

\* The international search fee for all claims was not paid to the USPTO, as the ISA, but the ISR is being submitted herewith.

Checks for the statutory filing fee of \$450.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2002-355673	December 6, 2002
Japan	2003-404109	December 3, 2003

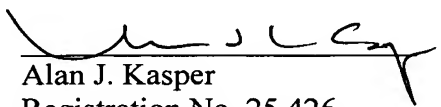
Respectfully submitted,

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

  
Alan J. Kasper  
Registration No. 25,426

Date: June 3, 2005